

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. **(Original)** A method of phosphorodiamidite production which method comprises the steps of reacting a phosphorus trihalide with a dialkylamine in a polar solvent to form an intermediate compound and subsequently reacting the intermediate compound with a hydroxyalkyl compound and a dialkyl amine, in the presence of a non-polar co-solvent.
2. **(Original)** A method as claimed in Claim 1 in which the phosphorus trihalide is phosphorus trichloride.
3. **(Original)** A method as claimed in Claim 1 in which the phosphorus trihalide is phosphorus tribromide.
4. **(Currently Amended)** A method ~~according to any one of Claims 1 to 3~~ as claimed in Claim 1 in which the dialkyl amine is diisopropylamine.

5. **(Currently Amended)** A method as claimed in ~~any one of Claims 1 to 3~~ Claim 1 in which the dialkyl amine is selected from the group consisting of dimethylamine, diethylamine, di-n-propylamine, di-n-butylamine, di-isobutylamine or ditert-butylamine.

6. **(Currently Amended)** A method as claimed in ~~any one of the preceding claims~~ claim 1 in which the polar solvent is a nitrile compound.

7. **(Original)** A method as claimed in Claim 6 in which the nitrile compound is acetonitrile.

8. **(Original)** A method as claimed in Claim 6 in which the polar solvent is propionitrile or benzonitrile.

9. **(Currently Amended)** A method as claimed in ~~any one of the preceding claims~~ claim 1 in which the hydroxyalkyl compound is hydroxypropionitrile.

10. **(Currently Amended)** A method as claimed in ~~any one of Claims 1 to 8~~ Claim 1 in which the hydroxyalkyl compound is methanol or tert-butyl alcohol.

11. (Currently Amended) A method as claimed in ~~any one of Claims 1 to 10~~ Claim 1 in which the alkane co-solvent is a C<sub>5</sub> to C<sub>9</sub> aliphatic hydrocarbon.

12. (Currently Amended) A method as claimed in ~~any one of Claims 1 to 10~~ Claim 1 in which the alkane co-solvent is an alicyclic hydrocarbon.

13. (Currently Amended) A method ~~according to any one of the preceding claims~~ as claimed in Claim 1 in which the ratio of polar solvent to non-polar solvent is 1:1.

Claims 14-19 (Canceled).